

Claims

1. A process for CoQ10 production comprising introducing a mevalonate operon of a microorganism belonging to the genus *Paracoccus* into a microorganism belonging to the genus *Rhodobacter* and cultivating the modified *Rhodobacter* strain.
- 5 2. The process of claim 1, wherein *R. sphaeroides* is used as the CoQ10 producing microorganism.
3. The process of claim 1 or 2 wherein the mevalonate operon of *Paracoccus zeaxanthinifaciens* is introduced into the *Rhodobacter* strain.
4. A process for producing CoQ10 which comprises culturing, in a medium, a
10 microorganism of the genus *Rhodobacter* into which the mevalonate operon of a microorganism of the genus *Paracoccus* has been introduced, allowing CoQ10 to form and accumulate in the culture and recovering CoQ10 therefrom.
5. A microorganism of the genus *Rhodobacter* containing the mevalonate operon of a microorganism of the genus *Paracoccus*.
- 15 6. The microorganism of claim 5 which is *Rhodobacter sphaeroides*.
7. The microorganism of claim 5 or 6 containing the mevalonate operon of *Paracoccus zeaxanthinifaciens*.
8. The use of the mevalonate operon of a microorganism of the genus *Paracoccus* in a process as claimed in any one of claims 1 to 4.
- 20 9. A method for increasing CoQ10 production in a microorganism of the genus *Rhodobacter* by introducing into a *Rhodobacter* strain the mevalonate operon of a microorganism of the genus *Paracoccus* and cultivating the transformant.